

## DESCRIPTION

During the hydrometallurgical production of zinc, PLS (pregnant leach solution) is treated through a solvent extraction process in which zinc is removed. As the zinc content decreases, the sulfuric acid content increases. The resulting aqueous solution is called zinc raffinate. Zinc raffinate contains water, zinc, chloride, sulfate, trace SX organic (see SX Organic technical data sheet), sulfuric acid, and other metals in low concentrations.

## TECHNICAL DATA

### Physical Properties

Specific Gravity .....1.1  
 pH.....<1.0

### Chemical Properties

H<sub>2</sub>O % .....90-93%  
 Zinc Sulfate %.....2-3%  
 Chloride, %.....0.8%  
 SX Organic.....<10 ppm  
 Sulfuric Acid .....2-3%  
 Cu, Cd, Cr, Na and other metals,%.....trace-0.2%

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